

Datasheet No. A-061.010.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Ascocentrumampullaceum*(Roxb.) Schltr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Aeridesampullacea*Roxb., *Ascocentrumampullaceum* var. *aurantiacum*Pradhan, *Gastrochilusampullaceus* (Roxb.) Kuntze, *Oeceocladesampullacea* (Roxb.) Lindl. ex Voigt, *Saccolabiumampullaceum* (Roxb.) Lindl.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridineae
- Genus: *Ascocentrum*Schltr.
- Species: *Ascocentrumampullaceum* (Roxb.) Schltr.

4.Distribution:

Global:Central China, western Himalayas, Assam India, Bangladesh, eastern Himalayas, Nepal, Bhutan, Sikkim, Andaman Islands, Myanmar, Thailand, Laos and Vietnam at elevations of 300 to 1500 meters

India: Extends along base of hills from Garhwal to Assam up to 600m, Andaman and Nicobar Islands, Assam, Nagaland, Arunachal Pradesh, Manipur, Mizoram, Meghalaya, Sikkim, Uttarakhand, West Bengal

5.Indigenous/Exotic/Endemic;Cultivated/Wild:Indigenous, wild

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte in subtropical forests near rivers often on deciduous trees

8.Life Form:Phanerophytes

9.Economic Importance:Cultivated ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^3$

13. Zygotic chromosome number(s): $2n=38^3$

14. Gametic chromosome number(s): $n=19^3$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:Diploid³

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:³

KaryotypeMedian, submedian³

Chromosome sizeSmall³

NOR chromosome(s)⁴³

Degree of asymmetrySymmetrical³

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis 19 II^3

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

**29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis;
Pollen stainability;Translocationsetc.):**